

ABSTRACT OF THE DISCLOSURE

A tuned OLED device includes a microcavity structure including a light-emitting layer for producing light, a semitransparent reflector, and a reflector layer disposed on opposite sides of the light-emitting layer, the microcavity
5 structure enhancing on-axis light produced from the light-emitting layer in at least one particular wavelength to produce a desired on-axis viewed color while not substantially enhancing on-axis other wavelengths of such light; and a layer including a color change medium which is responsive to wavelengths of light
10 shorter than the particular wavelength by absorbing such shorter wavelengths of light and emitting light corresponding in color to the particular wavelength, thereby improving the color of the light produced by the OLED device when viewed in an off-axis direction.